

April 10, 1996

CAL. FED. BAY DELTA PROGRAM
ADDITIONAL ALTERNATIVE

From: Richard J. Hallock

Documented research has demonstrated that juvenile salmonids migrate seaward in proportion to stream flow. For example if ten percent of the flow goes down a particular channel, or into a particular diversion, approximately ten percent of the juveniles will also follow into the channel or diversion.

There should be one alternative that flatly states that a certain percentage of the water that enters the Delta should be allowed to flow to the ocean. This percentage, that is allowed to enter the ocean, should be based on salmonid population models, and should be great enough to sustain the four populations of salmon as well as steelhead trout.

A population model should indicate the appropriate numbers of juveniles that must reach the ocean, under present conditions, in order to sustain the populations and will act as guide to determining the percentage of flow that must reach the ocean.


R.J. Hallock

Red Bluff Fisheries Forum

Postscript:

From: G. DeJournette

In reference to my letter to your office in March about the Workshop 5 Information Packet, I discussed Delta through flows to the ocean and a suggested percentage that may be needed to assure sustainable enhanced salmon populations, I feel it may take great courage to pursue this knowledge. The resolution of the Delta beneficial flow regime must include this major consideration of ultimate movement of fish viable waters to the ocean segment of the successful migration loop that salmonids and other fishes have used for the millennium.


G.W. DeJournette, Chair
Red Bluff Fisheries forum